FirstNet OnRamp Enabled by CA

KEY FEATURES

- **System interoperability** to connect disparate local systems to each other and FirstNet.
- **Mobile extension of current applications** with a custom SDK and API creation to speed mobile application development with assured identity.
- **Monitored performance** to help ensure first responder systems are available during time of need.
- **Performance assurance** by load testing applications and infrastructure before they are needed in a crisis.
- **Assured identities and secured applications** to keep bad actors from disrupting the first responders' intelligence network.
- **Hybrid deployment options** to run based on local need, whether in the cloud, on premises or both.

Business Challenge

The FirstNet mission is to deploy, operate, maintain and improve the first high-speed, nationwide wireless broadband network dedicated to public safety. The goal is to provide a reliable, highly secure, interoperable and innovative public safety communications platform to bring 21st century tools to public safety agencies and first responders, allowing them to get more information quickly and helping them to make faster and better decisions[1].

However, large federal systems often experience availability and performance issues when first deployed. The state and local markets require a method to integrate, monitor and test their systems running on FirstNet to help enable their availability and security during times of crisis. Put simply, failure is not an option.

The level of access and control to state and local systems by a new federal construct concerns many state governments due to the potential impact on their first responder capabilities. Thus, state and local governments will keep their applications running on their infrastructure but want to interface with anticipated federal capabilities available on FirstNet. This requires a secured and assured bridging functionality built to work with FirstNet, which includes flexible interfaces to local applications and data.

Solution Overview

The goal is to create a secure FirstNet Onramp for state and local applications and data, preconfigured to provide deep visibility into application traffic and load tested to help ensure that everything works when needed. Critical factors to consider in this solution include local control, FirstNet capabilities, ease of adoption and the security and availability of both local and federal systems.

The Onramp solutions fall into four categories: security, service assurance, interoperability and testing. Together, the packaged solution will limit disruption of first responders' communication chain via brute force or insider attack, pinpoint performance degradation or application failure to assist with remediation, and provide full testing capability to help enable performance under load. The solutions will be preconfigured to function with FirstNet to help speed integration, reduce cost and maintain compliance running on premises, in the cloud or in a hybrid mode.
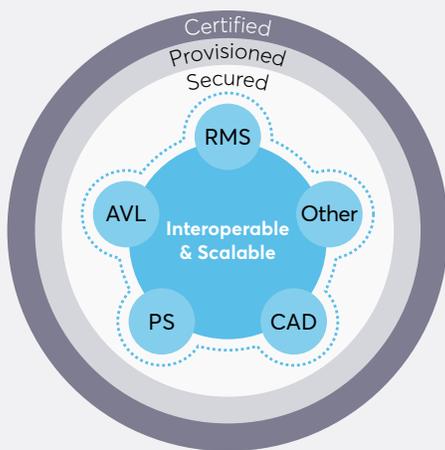
FirstNet Use Cases

Interoperable interface assurance. The Onramp will contain preconfigured interfaces to FirstNet offerings that are managed and secured with the ability to bridge local systems.

FirstNet SDK with identity assurance. The Onramp SDK simplifies securing internal data and application infrastructure for mobile and Internet of Things (IoT) use.

Application and network performance assurance. The Onramp allows full insight to help ensure that first responder application performance and data access remains optimal during an event.

Application load and security assurance. Prior to first field use, the Onramp will help enable application and infrastructure to perform at their peak under load in the event of a crisis.

Products

CA API Management creates policy-driven, secure interoperability between systems and applications with support for leading directory, identity, access control, single sign-on (SSO) and federation services. CA provides full life cycle API management to help plan, design, implement, publish, operate, consume, maintain and retire APIs across public safety and 3rd party systems.

CA Rapid App Security simplifies securing data and app infrastructure for mobile, web, and IoT. It delivers a lightweight mobile SDK to enable built-in app security, combining multiple authentication mechanisms and risk-based analysis used to balance security against user experience and associated transaction risk.

CA Digital Experience Insights is a digital brings full performance visibility across apps, infrastructure, and networks with analytics managing data to deliver in-depth, meaningful insights into the user experience, business transactions, and digital infrastructure of a First Responders network.
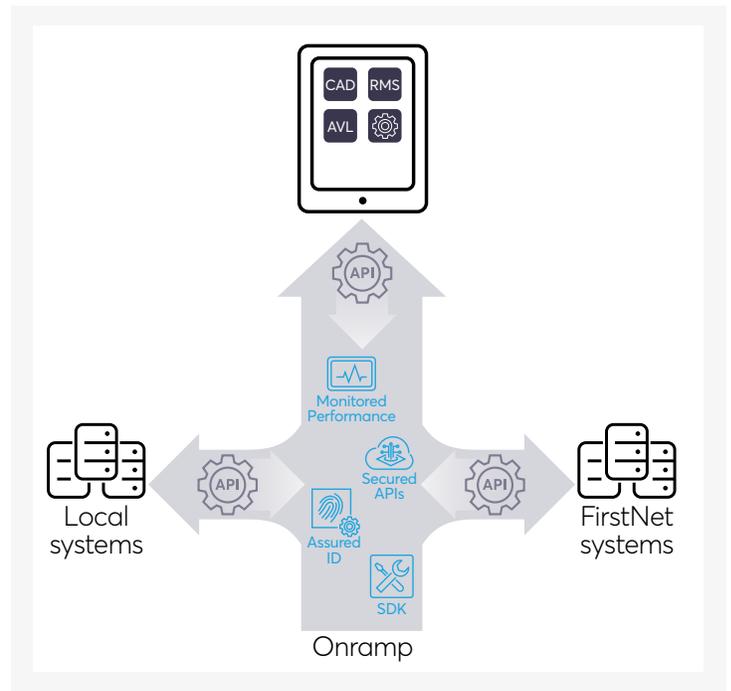
CA BlazeMeter® enables next-generation performance testing so applications and interfaces perform at their peak under load. CA BlazeMeter is an easy-to-use solution providing simple self-service capabilities to stress test applications at any stage of the SDLC. It pairs with CA Digital Experience Insights during load tests to quickly identify bottlenecks in applications and infrastructure.

CA Veracode, the recently acquired Veracode Application Security Platform, manages security risks across your application portfolio holistically, at all stages of the SDLC. It offers a wide range of security testing and threat mitigation technologies and services required by a First Responder network to secure the applications—built, bought or assembled—as well as the 3rd party components integrated into the local FirstNet application footprint.

For more information, please visit **ca.com/publicsector**

1 https://www.firstnet.com/